

Abstract of the Disclosure

Water-soluble films are prepared from polymer blends of polyvinyl alcohol and sulfonate polymers. The sulfo group can be acid
5 form, SO_3H , as well as salt form of potassium, sodium, ammonium, i.e. $-\text{SO}_3\text{K}$, $-\text{SO}_3\text{Na}$, and $-\text{SO}_3\text{NH}_4$. Conventional film-forming processes can be used to produce the films. Polymeric films prepared from the blend compositions have unique characteristics. Their water solubility rate can be controlled by varying the composition ratio of the polymer
10 blend. Their water solubility rate is increased even at a temperature of 0°C . The water-soluble polymeric films can be used as packaging materials and immersion transfer printing film.